

**PROJECT:** Midnite Mine Remediation

**REPORT NO:** 2019-014

**OWNER:** Newmont/Dawn Mining

**OPERATOR:** Newmont/Dawn Mining

## Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period June 28 – July 4, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

## SITE HEALTH, SAFETY, AND SECURITY

### MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period June 28 – July 4, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No incidents or injuries occurred during the reporting period. The project monthly safety meeting was conducted. The main topics / focus were:

- Video of the Merian Mine significant potential event (Haul Truck Collision) with discussion on lessons learned.
- Review of the project wildfire smoke procedure / Air quality index video

## COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer.

## PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

### Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, July 3, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax

### Meeting Action Items:

- None

### EPA Plan/Document Approvals:

- None

### Regulatory Site Visit(s):

- Steve Demus, Jacobs, representing EPA was on site June 28 and July 2.

## REMEDIAL WORK ACTIVITIES

### Construction:

During the week of June 28 – July 4, 2019, the following activities were conducted:

- Continued excavating, hauling and placing low activity/low reactivity material from South Waste Rock Pile (SWRP) South Pond cut and SWRP west of the South Pond in Pit 4. Material from SWRP was placed on the north, east, and west sides of Pit 4 to create the 20' rind buffer area, at the south end of the Pit 4 backfill to form the 20' radon buffer on the outer waste surface, and in the unclassified waste zone in the interior of the pit.
- Continued excavating, hauling and placing high activity/high reactivity material from Ore Stockpile 1 (Stockpile 1) in Pit 4. High activity/high reactivity material was placed in the unclassified waste zone in the interior of the Pit 4 backfill.
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul materials volume.

**Table 1 – 2019 Pit 4 mass haul volume estimates**

Reporting Period	Truck Loads	Estimated Volume <sup>1</sup> yd <sup>3</sup>
June 28 – July 04, 2019	2,690	75,320
2019 Cumulative	42,328	1,185,184

1 - Truck load assumed to be 28 yd<sup>3</sup>

- Continued work on the Infiltration Collectors (IC) on the west side of Pit 4 on the main channel and the finger drains extending to the west up the hillside.
- Wm. Winkler continued processing stockpiled timber with their tub grinder in the Temporary Impacted Soil Stockpile (TISS). Trees in the south Construction Support Zone (CSZ) that were felled last fall were consolidated into stockpiles in preparation for grinding.
- Completed fence repairs where animals had dug under the fence.
- Relocated discharge end of the Pit 4 to Pit 3 pipeline so that water from Pit 4 discharges into Pit 3 on the west side of the Pit 3 access road increasing the mixing zone between the discharge point and the intake for the Water Treatment Plant.
- Pit 4 tension crack was measured on July 2. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

### Stormwater Pollution Prevention Plan (SWPPP)

- None

### Spill Prevention, Control, and Countermeasure Activities (SPCC)

- None

### Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- None

The following equipment was demobilized from the Site during this reporting period.

- None

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

### **Materials:**

The following material was delivered to the Site during this reporting period.

- None.

### **Dust Control and Monitoring**

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the reporting period.

**Table 2 - TSP Dust Monitoring Locations during reporting period June 28 – July 4, 2019**

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thu
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-4 (roving)	Top of Stockpile 3	04/30/19	D/N			D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4 next to portable light plant.	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-7 (roving)	Southeast corner of Area 5	04/02/19	D/N			D/N	D/N	D/N	D/N
ES-8 (stationary)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation * Equipment malfunction (Battery/Power Supply or Other)									

## **PROJECT DOCUMENTATION**

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

**Table 3 – CQA Documentation**

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
02272-07.01	South Pond Geomembrane (GSE) (clarifications and additional information requested on 6/24/2019)	6/11/2019 Resubmittal on 6/28/2019	7/2/2019
02275-03.01	South Pond Geonet (GSE) (clarifications/revisions requested on 6/24/2019)	6/14/2019 Resubmittal on 6/28/2019	7/2/2019
01018-35.00	Stockpile 8 East As-Built (additional information requested on 7/2/2019)	7/1/2019	TBD
01018-36.00	Stockpile 5 As-Built	7/1/2019	7/2/2019
01018-37.00	Stockpile 3-4 Partial As-Built	7/2/2019	7/4/2019
02272-08.00	South Pond Geomembrane (GSE) Production Certifications	7/2/2019	TBD
02275-04.00	South Pond Geonet (GSE) Production Certifications	6/28/2019	7/3/2019

**Table 3 – CQA Documentation (Cont.)**

Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
2019-10	Settlement Monitoring Point – South and West Ponds	6/19/2019	6/24/2019  EPA – No Comments on 6/24/2019
2019-11	Request for Change to Warranty Requirements for Geomembrane, Geonet and Geocomposite Drainage Layer Materials	6/28/2019	7/1/2019  EPA Acceptance 7/3/2019
2019-12	Cased Borings on Stockpile 2	7/4/2019	TBD
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title		CQC-CQA Issue Date
2019-16	Pit 4 – West IC Main Collector (Section 7) Subgrade Acceptance		7/1/2019
Other Items			
Item	Title		Comments
None			

Copies of the updated CQA Logs are provided on the project SharePoint site under the 2019 CQA Folder.

## SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

### Preparatory Inspections / Meetings

- None during this time-period.

### Initial Phase Inspections

- None during this time-period.

### Follow-up Phase and Ongoing Inspections

Daily observations/inspections by CQA during Pit 4 backfill and other construction activities for the following site-specific tasks:

- Pit 4 Backfill
  - Excavated mine waste from the South Pond Cut, the North-SWRP and the South-SWRP (all low reactivity/low activity material) was used to construct the 20-foot buffer zone (rind), or was placed as general fill in the south bench area, the north portion of the pit and in the West IC area.

- Excavated mine waste from Stockpile 1 (high reactivity/high activity material) was placed within the boundary of the 20-foot buffer zone in the north portion of the pit and in the south bench area.
- West Infiltration Collection System
  - Construction of a portion of the main collector (~77 feet).  
CQA accepted/observed the following:
    - Compacted subgrade (CQC-CQA Acceptance 2019-16)
- Wood Chipping Activities – Stockpiled Trees at the TISS
- West Gate/Proposed WTP Area
  - Stockpiling previously felled trees for future chipping.
- Construction Debris
  - 7/1/2019 – Construction trash (4 garbage bags) placed and buried within the Demolition Debris Zone.

### Completion Inspections

- None

## THREE WEEK LOOKAHEAD SCHEDULE

### Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee  
Project Construction Director

### Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.





**Figure 1 – 390 excavator loading material from the South Pond excavation.**



**Figure 2 – 390 excavator loading Stockpile-1 material.**





**Figure 3 – Prepared additional IC subgrade for installation of GCL.**



**Figure 4 – Wood Chipping at the TISS, Looking West**

**ATTACHMENT A**

**MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE**



